**Summary:**

* With 8+ Years of Expertise working as DevOps Engineer & Build/Release Engineer in the areas of Continuous Integration (CI), Continuous Delivery (CD), Configuration Management and Application Deployment management.
* **4+ years of experience with DevOps methodologies** in Server provisioning, middleware management, build and deployment automation through tools like **AWS, Docker, Jenkins, Rundeck,**
* **Ansible,Chef, GIT etc.**
* Strong believer of DevOps Methodologies and working towards as a DevOps engineer position, who can bring an end to end work flow of Continuous Integration, Continuous Delivery and Continuous Deployment process for an organization.
* I have designed and implemented **CI / CD** pipelines for many java-based applications helping project teams develop, test and deliver software packages fast & reliably.
* Worked with project development teams following **Agile & Waterfall** methodologies and can design source code branching, release life cycles and CI/CD pipelines based on pace & project deliverables.
* Experience maintaining **Jenkins** Master, configuring, securing and plugin management areas in Jenkins.
* Capable of writing **Chef** Recipes to automate operational & Deployment activities, written **Docker** files, Integrated **Chef** & **Jenkins** with **Rundeck** to provide an end to end cycle of instance provisioning to Application Deployment.
* Written Chef cookbooks and recipes to Provision Several pre-prod environments consisting of Deployment automation, **AWS EC2** instance mirroring, **Weblogic** domain creations, **Lambda** framework and several proprietary middleware installations.
* Used Terraform and did "Infrastructure as code" and modifying terraform scripts as and when configuration changes happens.
* **Certified in AWS Developer – Associate.**
* Experience with multiple integration techniques based on service oriented architecture such as **java**, **SOA**, Web services like (**REST APIs, SOAP**) and other communication interfaces like **HTTP**, **HTTPS**, and **TCP**.

**TECHNICAL SKILLS:**

CI Tools : Jenkins ,Ansible.

Core quality Tool : Sonarqube

Build Systems : Maven, Ant, gradle.

Networking : TCP/IP, NFS, Telnet, FTP, DNS, DHCP, NAT, HTTP.

Bug Tracking Tool : JIRA, Rally.

Version Control : Git, SVN, BitBucket.

Application & Web Servers : Weblogic, Apache Tomcat, Jboss, Apache, IIS

Configuration Management : Chef, Ansible.

Cloud Services : AWS,GCE, OpenStack.

Containerization Tools : Docker

Virtualization Platforms : Vagrant, Virtual Box, Bitbucket ,VMware.

Scripting Languages : C,Shell,BASH Ruby ,Pearl ,Python.

Monitoring Tools : AWS CloudWatch, Grafana, Prometheus, ELK Stack.

Logging : Logstash, Splunk

Operating Systems : Linux, Unix, CentOS, Ubuntu, Windows.

PROFESSIONAL EXPERIENCE

**Cisco, San jose, CA Feb’17- Current**

## DevOps Engineer

**Responsibilities:**

* Developed automation Script in Bash and Python that can be used to create a release branches for every microservice components product.
* Setup various jobs in the **Jenkins** for the commit based builds as well as nightly builds.
* Hands-on Experience in writing Bash script for building deployment pipelines.
* Responsible for installation and upgrade of patches and packages on RHEL 6/7 using RPM & YUM.
* Experience with CI (Continuous Integration) and CD (Continuous Delivery) methodologies using Jenkins.
* Extensive experience with DevOps essential tools such as Chef, Ansible, Docker, Subversion (SVN), GIT, Hudson, Jenkins, Ant, Maven and basic knowledge on other tools like MS Build, CMake.
* Supported many other projects build and deployments issues with Jenkins CI/CD pipelines.
* Responsible for setting up from scratch and maintaining automated (CI/CD) Pipelines for multiple apps.
* Integration of Automated Build with Deployment Pipeline.
* Wrote a Playbooks to install node, git, docker, java, sonar qube, Awscli on Jenkins slave for building the application part of CI/CD.
* Setup various Team Projects into different Team Project Collections in TFS.
* Defined methodology for TFS Source code migration and branching and merging
* Initiate automated builds using Visual Studio Team Services (VSTS) to successfully deploy the files.
* Incorporated Npm and Grunt build steps in the Jenkins workflows and removed the generated artifacts from git to ensure at build time all artifacts were being generated from the grunt builds.
* Installed and configured Rundeck tool for scheduling jobs and housekeeping activities on Linux server.
* Monitoring using Ansible playbooks and has integrated Ansible with Rundeck and Jenkins.
* Experience in Deploying Java based applications and microservices in AWS and Openstack.
* Developing MicroServices, and creating API's using Java Spring Boot framework using Maven as a build tool and Cassandra as an enterprise level database.
* Expertise in using build tools like MAVEN, ANT and GNU Make.
* Wrote edited and maintained Make files and shell script support for multiple software teams.
* Written chef recipes to perform middleware binary Installation and Configuration tasks involving **jdk**, **Tomcat**, **WebLogic** binaries installation. .
* Worked with various custom resources, created roles & environments and using **chef** handlers for various auto kickoff requirement jobs.
* Written Several **Chef** cookbooks from scratch consisting of recipes that can Provision several pre-prod environments consisting of **Weblogic** domain creation, Deployment automation, instance mirroring, and several proprietary middleware installations.
* Written Unit test cases for chef recipe testing using test **kitchen**, **foodcritic** etc.
* Setting up chef repo’s (local & remote) working with both hosted and standalone server versions.
* Performed tasks like bootstrapping nodes to executing run lists to mirror the new nodes to web or application servers and to run deployments against newly added nodes to the clusters.
* Written several **Docker** files to create tomcat along with required version of **jdk** container images.
* Worked with **Docker** Trusted Registry as repository for our docker images and worked with Docker container networks.
* Good hands on with container orchestration tools like **Kubernetes**, experience with Red Hat open shift enterprise Platform as a Service product.
* Created and managed Cinder volumes, instances and configured network in OpenStack
* Cloud by using both CLI and Horizon Dashboard. Also, involved in monitoring & metering for Infrastructure as a Service (IaaS) for OpenStack Cloud.
* Implementing new projects builds framework using **Jenkins & maven** as build framework tools.
* Worked with several **AWS** services like **. EC2, EBS, S3, VPC, Cloud Formation** and **Cloud Watch**
* Designed and Developed server monitoring with CloudWatch and automated log archiving to S3.
* Experience with CloudFront, Glacier, Route53, SNS, RDS, AWS Config, LAMBDA, Cloud Formation.
* Cost cutting techniques applied with own written CloudFormation Stacks by using AWS, Auto Scaling Scheduled Actions and Lambda for shutting-down and starting-up the instances based on the requirement or need.
* Deployed and configured Elastic search, Log stash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and Cloud Watch.
* Used security groups, network ACLs, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in AWS public cloud.
* Creation of Prometheus-Grafana setup using Terraform/Ansible for targets like Kafka, Mysql, node exporters.
* Passive and Active Nagios monitoring and alerting. Prometheus (node exporter) along with Grafana and CloudWatch for time-based system/container metrics.
* Created **Wiki** pages and educated the team about the automation and branching strategies to be followed.
* Used Jfrog Artifactory as Artifact Repository manager to upload the artifacts after build is success.
* Extensive Knowledge of puppet as Configuration management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively manage change.
* Created playbooks for OpenStack deployments and bug fixes with Ansible.
* Debug and resolve Pre-Post OpenStack deployment failure.
* Worked on installing, configuring and deploying OpenStack solutions.
* Good exposure to the APM tool like Datadog.
* Migrated applications to the **AWS** cloud.

Environment: Git, Jenkins CI CD, Chef, Maven ,gradle, Nexus,TFS, WebSphere, Ant, Confluence,Gerrit, Python,Bash,Shell,Cmake, Emma, Jira, Rally, Unix/Linux, Windows, My SQL, Docker, Kubernetes.

**Walmartlabs, Sunnyvale, CA Jan’16- Feb’17**

## Sr. DevOps/ Build and Release Engineer

**Responsibilities:**

* Written Several **Chef** cookbooks from scratch consisting of recipes that can Provision several pre-prod environments consisting of **Weblogic** domain creation, Deployment automation, instance mirroring, and several proprietary middleware installations.
* Written chef recipes to perform middleware binary Installation and Configuration tasks involving **jdk**, **Tomcat**, **WebLogic** binaries installation.
* Install and configure Thingworx on ubuntu server with chef cookbook to provide dashboards for end users.
* Responsible for setting up from scratch and maintaining automated (CI/CD) Pipelines for multiple apps.
* Monitoring using Ansible playbooks and has integrated Ansible with Rundeck and Jenkins
* Open shift virtualized PaaS provider – useful in automating the provisioning of commodity computing resources for cost and performance efficiency.
* Responsible for configuring and maintaining all pre-prod environments consisting of complex middleware environments with several variations of **Tomcat** installations consisting of several instances in each installation.
* Giving support for JBoss Compute servers in One Ops cloud.
* Worked with various custom resources, created roles & environments and using **chef** handlers for various auto kickoff requirement jobs.
* Written Unit test cases for chef recipe testing using test **kitchen**, **foodcritic** etc.
* Setting up chef repo’s (local & remote) working with both hosted and standalone server versions.
* Performed tasks like bootstrapping nodes to executing runlists to mirror the new nodes to web or application servers and to run deployments against newly added nodes to the clusters.
* Written several **Docker** files to create tomcat along with required version of **jdk** container images.
* Worked with **Docker** Trusted Registry as repository for our docker images and worked with **Docker** container networks.
* Good hands on with container orchestration tools like **Kubernetes**, experience with Red Hat open shift enterprise Platform as a Service product.
* Analyzing in working with Ansible, wrote many playbooks to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Worked on Ansible and Ansible Tower to automate repetitive tasks, to deploy critical applications quickly, and proactively manage the changes.
* Experience in creating network policies for Docker containers using Docker Weave. Worked on container orchestration tools such as Docker **swarm**, **Mesos**, and **Kubernetes**.
* Setup a test environment of cutting edge container technologies including Docker, Apache mesos, Marathon and Prometheus for monitoring.
* Dockerized several services like **SSH** daemon service and familiar with several docker command line utilities.
* Utilizes Several **Docker** best practices to create base images from scratch and to create clear, readable and maintainable clean docker files.
* Used **Kubernetes** - an open-source platform for automating deployment, scaling, and operations of application containers across clusters of hosts, providing container-centric infrastructure.
* With **Kubernetes**, we could quickly and efficiently respond to changes on demand. Deployed our applications quickly and predictably.
* Developed different environments of different applications on Google cloud by provisioning Kubernetes clusters on **GCE** instances and GKE using Docker, Ruby/Bash, Python.
* Creating Custom **AMI**’s and **AMI** tags, modified AMI permissions.
* Working with Security Groups, configuring Inbound /Outbound rules, creating and importing Key Pairs.
* Created Python Scripts to Automate AWS services which include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, **S3** bucket and application configuration, this Script creates stacks, single servers or joins web servers to stacks.
* Used Cloud Watch logs to move application logs to **S3** and create alarms raised by applications.
* Managing Linux, VMware and AWS/VM's.
* Configured AWS Identity and Access Management (IAM) Groups and Users for improved log authentication.
* Ability to create scripts using  AzureShell during for automation and build process.
* Good working experience in azure Logic apps, Service Bus, Document DB and SQL Database, Data warehouse.
* Working on 'proprietary containerization tool system to automate deployment, scaling and management of mobile and web containerized applications.
* Setup various jobs in the **Jenkins** for the commit based builds as well as nightly builds.
* Created **Wiki** pages and educated the team about the automation and branching strategies to be followed.
* Implemented code review tools like **Gerrit and Emma**. Set up cronjobs for automating the **logs archiving** and disc cleanup.
* Implementing new projects builds framework using **Jenkins & maven** as build framework tools.
* Implementing a Continuous Delivery framework using **Jenkins, Chef, Maven and Nexus** in Linux environment.
* Used Jfrog Artifactory as Artifact Repository manager to upload the artifacts after build is successful.
* Backup files and archive files in **Glacier**.

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## Infrostretch Corporation, Santa Clara, CA Jan’14- Dec’15

## DevOps & Release Engineer

**Responsibilities:**

* Responsible for versioning the source code, releasing binary files, creating and applying labels on source files and release files.
* Directed and configured Jenkins for overseeing regular build, test and Deploy chain, SVN/GIT with DevOps testing production team for every week releases.
* Led **Hudson continuous integration server installation** and configuration for all **GIT** Repositories
* Automated application packaging and deployment
* Managed Ubuntu 8.10 staging environments
* Managed 190 GIT repositories with a version control wrapper tool **REPO**.
* Established coding standards and enforced them through automated tools.
* Experience in configuring Splunk and Integrated Splunk with Active directory and LDAP authentication.
* **Configured multiple Windows and Linux slaves for Hudson master** to distribute the load across a Farm of machines
* Applied the test driven development methodology while developing which yielded cohesive, loosely coupled and tested code
* Educated team about continuous integration and automated testing practices and supported them throughout development
* Configured **Hudson to Implement Nightly builds** on daily basis and generate change log that includes changes happened from last 24 hours.
* Integrated Testing Tools like **Junit, Emma and Coverity in Hudson** which provide unit testing and Code coverage with detailed graphical reports
* Connected continuous integration system with GIT version control repository and Continually build as the check-in’s come from the developer
* Good Knowledge with mobile telecommunication technologies and have hands-on experience with wireless mobile device operating systems: **Android, WinMobile**
* Resolved dependency issues between different modules in android build system by configuring make files.
* Experience in and demonstrated understanding of source control management concepts such as Branching, Merging, Labeling/Tagging and Integration.
* Worked on build tasks using Maven, Ant, Gradle and GNU Make files and worked with development team to migrate Ant scripts to Maven.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.
* Created Multiple **ANT and Shell (bash)** scripts for build automation and deployment.
* Defined branching and merging strategies
* Strong in C and working with Gcc and cross compiler tool chains.
* Documented the **SCM** process and policies of the company and recommended some process changes.
* Enabling the build process by using the Visual studio, specifying the maximum number of builds running on the **TFS.**
* Responsible for writing the **Release Notes**, documenting all useful info about the release: software versions, changes implemented in the release, Defects fixed, Labels applied etc
* Deployed and configured **Tomcat application server** to host the wiki website.
* Coordinated software development teams and QA teams on issues and solved the problems.
* Developed Unified Automation Framework to have code reusability across different teams and applications.
* Mentored junior Java developers through Eclipse, ANT, GIT, and general Java issues and documented knowledge in several in-house wiki pages.

**Sun Power Systems, Richmond, CA Jun’12- Dec’13**

**Build and Release Engineer**

##### Responsibilities:

* Used **SVN** as version Control
* Supported Java Project code base and used **Maven** as Build tool.
* Used Ansible for communication with the machine through a JSON protocol.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Subversion (SVN) source control
* Migrated **Ant build.xml** files to **Maven POM.xml**
* Used Bash as scripts language for Build Automation.
* Performed software configuration/release management activities for three different java applications**.**
* Experience in working with Selenium IDE and Selenium Web Driver using testing**.**
* Have very good exposure and experience on web development experience using tools and automation testing.
* Experience working with production servers at multiple data centers.
* Monitor progression of releases and keep them on track for delivery on planned release date.
* Maintained **Ubuntu** build machines and always keep them updated with latest security fixes.
* Managed Disk space and rebooted builds slaves as regular schedule to keep the health of build slaves
* Used **Jenkins** as **CI** tool and added 20 Build slaves. Labeled Slaves so that load can divided and branches get their own priority.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration.
* Set up Elastic Load Balancers for different applications to ensure high availability of
* Applications.
* Built Jenkins jobs to create AWS infrastructure from GitHub repos containing code.
* Migrated VMWARE VMs to AWS and Managed Services like EC2, S3 Bucket, Route53, ELB, EBS Etc with Chef Cookbooks/Recipes.
* Installed **Nagios** to keep track of the system status like uptime, system load, disk usage and send notifications to team when necessary.
* Worked on the **.NET** framework application by using the Internet Information Services **IIS** and deploying the files in the framework applications.
* Supported multiple teams in various environments for multiple applications including .Net and Java/J2EE.
* Created branches and tags in Version control
* Merged and resolved conflicts using SVN and helped developers to work with version control tools
* Documented all the process and to do list for improvements
* Worked with Team and supported on-call rotation for pushing the releases in timely manner

**IBM, Hyderabad, India Jun’08 - Dec’ 11**

**Linux/ System Analyst**

**Responsibilities:**

* Installation and Configuration of RedHat Linux OS, CentOS, Fedora, Ubuntu and performed tasks like, troubleshooting connectivity, disk space, CPU memory consuming and application status.
* Responsible for Connectivity issues among various Servers and various software components.
* Troubleshooting system OS, hardware, software and networks.
* Worked on installation and configuring VMware/ESX Servers for virtualization.
* Installing and Managing ESX and ESXi Servers on HP&CISCO hardware.
* Regular updates of drivers and firmware’s on all ESXi hosts.
* Configuring network services like NFS, DHCP, DNS, SAMBA, FTP, HTTP, TCP/IP, SSH and Firewall that runs on Red Hat Linux, SunSolaris, AIX.
* Software Product Developer in Linux kernel IP Failover product in a Cluster environment (Apache/NFS).
* OS Kernal Software Developer on UNIX Clustering UnixWare 7.x (Compaq Nonstop Cluster).
* Developed a Linux performance tool "netstar" (C) that monitors TCP/IP IEEE 802.x network activity at a per-process level for system and support analysts.
* UNIX generalist in many parts of the kernal (platform specific subsystems, TCP/IP, IEEE 802.x, UDP, DNS, DHCP, VM, streams, IPC, process management, device driver changes for SCSI-2, dual SCSI, tape and disk devices, and asynchronous controllers), commands, scripts, Veritas VxFS, Veritas, volume manager, libraries, porting activities, product builds and packaging. Gcc, compiler, assembler skills.
* Worked with LVM for the management of Volumes including creation of physical and logical volumes on Linux.
* Configured and administered Tomcat and FTP for Production servers.
* Supported Unix/Linux servers running Oracle and MySQL databases.
* Responsible in setting up of user and group login ID, printing parameters, network configuration & password.
* Developed Shell scripts for acquiring information about various Linux servers
* Troubleshooting TCP/IP network problems for the clients.
* Involved in performing backup repository, creating folder and granting user access privileges.
* Administration and configuration of SSL and Apache WebServer.
* Worked on the configuration of server monitoring tool like Nagios.
* Monitored system log files and messages for errors of the hardware and software failure.
* Monitored Network traffic using packet analyzer tools such as TCP/IP dump, Wireshark
* Assisted networking team to assign the IP address for new physical and virtual servers.
* Installation, configuration of LAMP server on Debian and Centos.

**Education:**

* Bachelors in Electronics and Communication Engineering, JNTU, India.